Antec 25

A Quarter Century of Quality and Innovation

ONE HUNDRED | WALLET-FRIENDLY INTENSITY

USER MANUAL

ONE HUNDRED USER MANUAL

Congratulations on your purchase of the Antec One Hundred.

Antec's One Hundred is the gaming case that delivers high-end features at a price that won't break the bank. Eight expansion slots provide exceptional expandability, and can accommodate multiple video cards. A sleek painted black interior with clean, perforated front bezel houses your components in style, while the four top USB ports with audio in/out and handy storage tray bring convenience and accessibility to the package. Finally, the bottom PSU mount, two included TwoCool™ fans and washable fan filter keep your system cool and quiet.

The One Hundred does not come with a power supply unit (PSU). Make sure you choose a power supply that is compatible with your computer components and has a long enough power harness to reach your motherboard and peripheral devices. We recommend our High Current Gamer, High Current Pro or TruePower New power supplies for the latest ATX specification compliance, broad compatibility, and power savings capability.

At Antec, we continually refine and improve our products to ensure the highest quality. It's possible that your new case will differ slightly from the descriptions in this manual. This isn't a problem; it's simply an improvement. As of the date of publication, all features, descriptions, and illustrations in this manual are correct.

Disclaimer

This manual is intended only as a guide for Antec's computer enclosures. For more comprehensive instructions on installing the motherboard and peripherals, please refer to the user's manuals that come with those components.

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SECTION 1 | INTRODUCTION

ONE HUNDRED USER'S MANUAL

| Case Type	Gaming Mid Tower
Color	Black
Dimensions	480 mm (H) x 198 mm (W) x 477 mm (D) 18.9" (H) x 7.8" (W) x 18.8" (D)
Weight	15.1 lbs / 6.9 kg
Cooling	1 x top 140 mm TwoCool™ fan 1 x rear 120 mm TwoCool™ fan 2 x front 120 mm fans for HDDs (optional) 1 x side 120 mm fan for graphics cards (optional)
Drive Bays	10 Drive Bays: 6 x internal 3.5" 3 x external 5.25" 1 x internal bottom-mounted 2.5" SSD drive
Expansion Slots	8
Motherboard Size	Mini-ITX, microATX, Standard ATX
Front I/O Panel	4 x USB 2.0 AC'97 / HD Audio In and Out

1.2   DIAGRAM

1. 1 x 140 mm top TwoCool™ fan
2. 1 x 120 mm rear TwoCool™ fan
3. 3 x 5.25" external drive bays
4. 6 x 3.5" internal drive bays
5. 1 x 2.5" SSD
6. Front bezel
7. Motherboard - Mini-ITX, microATX or Standard ATX CPU cutout
8. CPU cutout
9. Power supply mount
10. Front I/O panel
11. Top-front storage tray
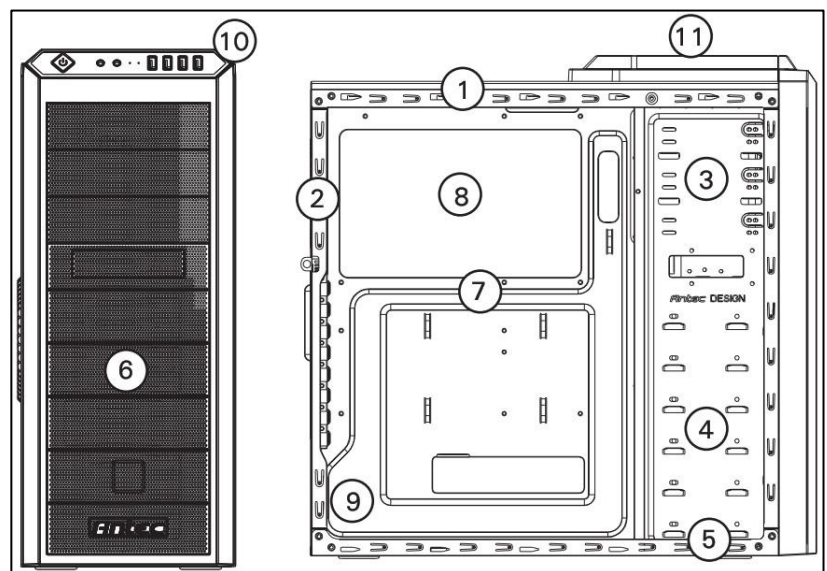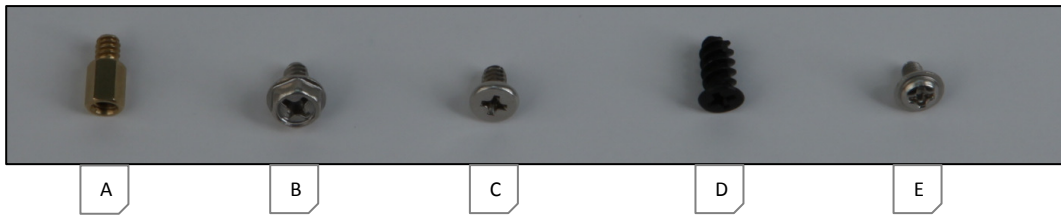
A. Motherboard standoff (10; 6 preinstalled)
B. Power supply / expansion slot screw (12)
C. Hard drive / motherboard screw (21)
D. Side panel fan screw (4)
E. Optical drive screw (12)

SECTION 2 | HARDWARE INSTALLATION

2.1 SETTING UP

1. Place the case upright on a flat, stable surface with the rear of the case facing you.
2. Remove the side panels by first removing the thumbscrews at the rear of the case. Then, grip each panel at the top and bottom and slide it toward the rear of the case until it detaches from the chassis.

Note: Do not use your fingernails to pry or lift the panels.

2.2 POWER SUPPLY INSTALLATION

1. With the case upright, place the power supply on the bottom of the case.
2. Push the power supply to the back of the case and align the mounting holes.
3. Attach the power supply to the case with the screws provided.

Note: Power supplies with fans on the bottom of the power supply will need to be mounted so that the fan is facing the top of the case. The One Hundred provides mounting holes for power supplies with standard mounting layouts to be installed upside up or upside down.

2.3　MOTHERBOARD INSTALLATION

1. Lay the case down, with the open side facing up. The drive cages and power supply should be visible.
2. Make sure you have the correct I/O panel for your motherboard. If the panel provided with the case isn't suitable, please contact your motherboard manufacturer for the correct I/O panel.
3. Align your motherboard with the standoff holes and remember which holes are lined up. Not all motherboards will match with all the provided holes; this is normal and won't affect its functionality.
4. Remove your motherboard by lifting it up.
5. Install standoffs as needed and put the motherboard back in.
6. Screw in your motherboard to the standoffs with the provided Phillips-head screws.

Note: The One Hundred comes with a CPU cutout on the motherboard tray, which will allow you to change your CPU heatsink without removing the motherboard.

2.4　INTERNAL 3.5" DEVICE INSTALLATION

The One Hundred provides space for up to six 3.5" hard drives.

1. Insert your 3.5" device into the 3.5" drive cage from the rear of the case until the mounting holes align with the screw holes in the cage.
2. Fasten the device in place with the provided screws.
3. Mount any other 3.5" HDD devices accordingly.
4. Connect the appropriate power and data cables to the device(s).

2.5   EXTERNAL 5.25" DEVICE INSTALLATION

There are three externally accessible 5.25" drive bays. To access these bays, you must first remove the front bezel and drive bay cover:

1. Press on the three tabs pictured to the left to release the front bezel. The bezel should swing outward, like a door.
2. Lay the bezel face down to access the drive bay covers.
3. Remove the drive bay cover as shown below by pressing on the tabs and lifting the cover out of the bezel.
4. Slide your 5.25" device into the bay from the front of the case.
5. Secure the drive into position in the drive cage using the provided screws.
6. Mount any other 5.25" devices accordingly.
7. Connect the appropriate power and data cables to your device(s).
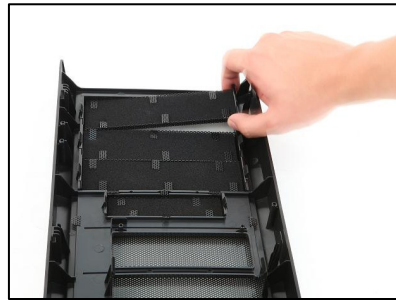
2.6   INTERNAL 2.5" DEVICE INSTALLATION

At the bottom of your case, there are mounting holes designed to support one 2.5" SSD device.

1. Locate the plastic bag labeled "For 2.5 HDD" and remove the 4 silicone grommets.
2. Install the grommets into the four holes at the base of the case at the bottom of the drive bay area as shown. You should install them with the thick part of the grommets facing the inside of the case.
3. Lay the One Hundred on its side, and hold the drive in place on top of the grommets.
4. Secure the device to the case with the screws provided, tightening the screws with your fingers first, and then the screwdriver.
5. Connect the appropriate power and data cables to your device

2.7 CABLE MANAGEMENT

There is a cable management compartment behind the 3.5" drive cage. You can tuck or route excess cables in this compartment.

1. Remove the right enclosure panel.
2. Locate the cable management compartment with cable ties located behind the walls of the 3.5" drive cage.
3. Tuck or route your excess cables to the compartment. This will keep the cables from interfering with airflow in your case and help with cooling.
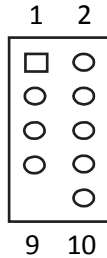4. Use the cable ties provided to hold them in place.

SECTION 3 | FRONT I/O PORTS

3.1 | USB 2.0

Connect the front I/O panel USB cable to the USB header pin on your motherboard. Check the motherboard user's manual to ensure that it matches the table below:

Pin	Signal Names	Pin	Signal Names
1	USB Power 1	2	USB Power 2
3	Negative Signal 1	4	Negative Signal 2
5	Positive Signal 1	6	Positive Signal 2
7	Ground 1	8	Ground 2
9	Key (No Connection)	10	Empty Pin

3.2 | AC'97 / HD AUDIO PORTS

There is an Intel® standard 10-pin AC'97 connector and an Intel® 10-pin HDA (High Definition Audio) connector linked to the front panel of the case.
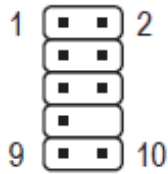
Pin	Signal Names (HDA)	Pin	Signal Names (AC'97)
1	MIC2 L	1	MIC In
2	AGND	2	GND
3	MIC2 R	3	MIC Power
4	AVCC	4	NC
5	FRO-R	5	Line Out (R)
6	MIC2_JD	6	Line Out (R)
7	F_IO_SEN	7	NC
8	Key (no pin)	8	Key (no pin)
9	FRO-L	9	Line Out (L)
10	LINE2_JD	10	Line Out (L)

You can connect either the AC'97 or the HDA connector, depending on your motherboard. Locate the internal audio connectors from your motherboard or sound card and connect the corresponding audio cable. Consult your motherboard or sound card manual for the pin-out positions. Even if your system supports both standards, only use one connector.

3.3   POWER SWITCH / HARD DISK DRIVE LED CONNECTORS

Connected to your front panel are LED and switch leads for power and HDD LED activity. Attach these to the corresponding connectors on your motherboard. Consult your motherboard manual for specific pin header locations. For LEDs, colored wires are positive (+). White or black wires are negative (−). If the LED does not light up when the system is powered on, try reversing the connection. For more information on connecting LEDs to your motherboard, see your motherboard user's manual.
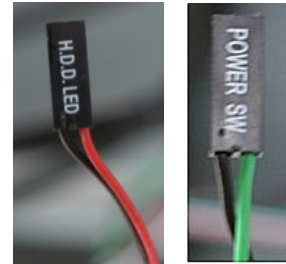
Note: Polarity (positive and negative) does not matter for switches.

3.4   REWIRING MOTHERBOARD HEADER CONNECTIONS

There may come a time when you need to reconfigure the pin-out of a motherboard header connector. Examples could be for your USB header, audio input header, or some other front panel connector such as the Power Button connector.

Before performing any work, please refer to your motherboard user's manual or your motherboard manufacturer's website to be sure of the pin-out needed for your connector. We strongly recommend making a notated drawing before beginning work so that you can recover if your work gets disturbed.

1. Determine which wires you need to remove in order to rewire your plug to match the USB pin-outs on your motherboard (refer to your motherboard user's manual). Working on one connector at a time, use a very small flathead screwdriver or similar tool to lift up on the black tab located beside the gold posts (squares). This will allow you to easily slide out the pins from the USB plug.
2. Working carefully so as not to damage the wires, connectors, or pins, slowly remove the pin from the connector. Repeat these steps for each wire you need to change.
3. Working carefully so as not to damage the wires, connectors or pins, slowly reinsert the pin into the correct slot of the connector then snap closed the black tab that was lifted in step 1. Repeat these steps for each wire you need to change.
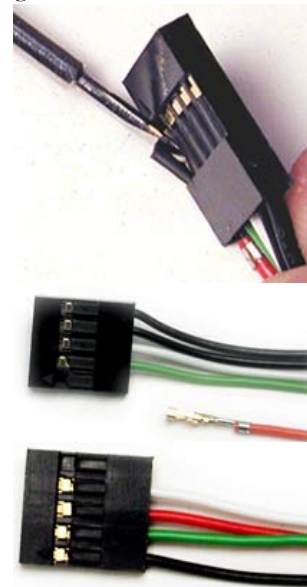
4.1 INCLUDED FANS

Rear TwoCool™ Fan – There is a 120 x 25 mm TwoCool™ fan preinstalled at the rear of the case. The fan is installed so the air will be blown out of the case. This fan comes with a two-speed switch that let you choose the speed best suited to your need. The default fan speed setting is Low.

120 mm TwoCool™ Specifications
Size: 120 x 25 mm TwoCool™ fan
Rated Voltage: 12V
Operating Voltage: 10.8V ~ 13.2V

Speed (RPM)	Input Current	Airflow	Static Pressure	Acoustic Noise	Input Power
High 1500	0.30A (Max.)	1.4 m³ / min (51.2 CFM)	1.2 mm-H_2O (0.05 inch-H_2O)	27.9 dBA	3.6W
Low 900	0.18A	0.08 m³ / min (30.1 CFM)	0.5 mm-H2O (0.02 inch-H2O)	16.9 dBA	2.2W

Top TwoCool™ Fan – The case comes with a 140 mm top exhaust fan. The fan is installed so the air will be blown out of the case. This fan comes with a two-speed switch that let you choose the speed best suited to your need. The default fan speed setting is Low.

140 mm TwoCool™ Specifications
Size: 140 x 25 mm TwoCool™
Rated Voltage: 12V
Operating Voltage: 10.8V ~ 13.2 V

Speed (RPM)	Input Current	Airflow	Static Pressure	Acoustic Noise	Input Power
High 1200	0.3A (Max.)	1.7 m³ / min (58.9 CFM)	0.8 mm-H2O (0.03 inch-H2O)	26.0 dBA	3.6W
Low 800	0.2A	0.95 m³ / min (33.6 CFM)	0.3 mm-H2O (0.01 inch-H2O)	21.8 dBA	2.4W

Note: The minimum voltage to start a typical TwoCool™ fan is 5V. We recommend that you set the fan speed to High if you choose to connect the fan(s) to a fan control device or to the Fan-Only connector found on some Antec power supplies. A fan control device regulates the fan speed by varying the voltage, which may start as low as 4.5V to 5V. Connecting a TwoCool™ fan set on Low to a fan-control device may result in the fan not being able to start because the already lowered voltage from the fan control device will be further reduced by the TwoCool™ circuitry below 5V.

4.2   OPTIONAL FANS

There are total of three optional 120 mm fan mounts—one side intake fan (on the left side panel) and two front intake fans (at the front of the HDD cage). We recommend using Antec 120 mm speed control fans and setting the speed to Low. These fans must be installed so that the air is blowing into the case.

Side Fan – The side fan enhances graphic cards cooling. The fan should be installed so air is blowing into the case.

Front Fans – You can install two 120 mm fans to the fan cages in front of the hard drive bays. To install the front fans:
1. Remove the front bezel as described in section 2.5
2. Secure your 120 mm fan(s) to the fan holder. The fan should be installed so that air is blowing into the case.
3. Reattach the fan holder to the case by inserting the right side into the corresponding slots on the front of the case, then rotating the holder back into position until it clicks into place.

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